

EUROPA Documentation

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EUROPA Documentation

This page provides in-depth documentation on understanding and using EUROPA. If you don't know where to start, or just want a quick overview of how to use EUROPA, take a look at the [EUROPA Quick Start](#). You can also find an overview of the EUROPA framework and philosophy at [EuropaBackground](#).

Reference Documents

- [NDDL Reference](#)
- [Complete NDDL Grammar \(for ANTLR\)](#)
- [Constraint Library Reference](#)
- PSEngine (C++ / Java)
- Internal C++ API
- (TODO: add link to Doxygen/JavaDoc docs)

Configuration

- [Logging](#)
- [Built-in Solver](#)

Visualization / Debugging Tools

- [PSUI](#)
- PlanWorks
 - ◆ [PlanWorks Tutorial](#)
 - ◆ [PlanWorks.cfg Reference](#)
- Low-level debugging:
 - ◆ Stepping and Writing
 - ◆ [Debug Output Management](#)
 - ◆ Timelines
 - ◆ The Token Network
 - ◆ The Constraint Network
 - ◆ Metric Resources
 - ◆ Common Debugging Scenarios

Architecture

- Overview
- Propagation Services
- Plan Database Services
- Modeling Services
- Problem Solving Services
- Ancillary Modules

How to Extend EUROPA

- Adding a Constraint
- Adding a Listener
 - ◆ TODO! Entries for different listener types
- Extending the built-in solver
 - ◆ Adding a Flaw Filter
 - ◆ Adding a Flaw Handler
 - ◆ Adding a Flaw Manager
- Building your own Solver

Miscellaneous

- How to embed EUROPA in an application
- Glossary
- References